

Amendments to the Claims:

Please cancel claim 11-15.

Please amend claims 1, 2, 5, 6, 7 and 10.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A magnetic disk for a hard disk drive, comprising:
a substrate;
a S1 magnetic layer located over said substrate;
a layer of anti-ferromagnetic coupling material located over said S1 magnetic layer;
a top magnetic layer located over said layer of anti-ferromagnetic coupling material;
a layer of chromium located adjacent to said top magnetic layer, a portion of said chromium being diffused[diffuses] into said top magnetic layer.
2. (Currently Amended) The disk of claim 1, further comprising a S2 magnetic layer located adjacent to said layer of chromium and said layer of anti-ferromagnetic coupling material.
3. (Original) The disk of claim 1, further comprising an underlayer located between said substrate and said S1 magnetic layer.
4. (Original) The disk of claim 1, further comprising an overcoat layer located over said top magnetic layer.
5. (Currently Amended) The disk of claim 4, wherein said layer of anti-ferromagnetic coupling material includes ruthenium.
6. (Currently Amended) A hard disk drive, comprising:
a base plate;
a spindle motor coupled to said base plate;
a disk coupled to said spindle motor, said disk including;
a substrate;
a S1 magnetic layer located over said substrate;

a layer of anti-ferromagnetic coupling material located over said S1 magnetic layer;
a top magnetic layer located over said layer of anti-ferromagnetic coupling material;
a layer of chromium located adjacent to said top magnetic layer, a portion of said chromium
being diffused[diffuses] into said top magnetic layer;
an actuator arm mounted to said base plate;
a voice coil motor coupled to said actuator arm;
a flexure arm coupled to said actuator arm; and,
a head coupled to said flexure arm and said disk.

7. (Currently Amended) The hard disk drive of claim 6, further comprising a S2 magnetic layer located adjacent to said layer of chromium and said layer of anti-ferromagnetic coupling material.

8. (Original) The hard disk drive of claim 6, further comprising an underlayer located between said substrate and said S1 magnetic layer.

9. (Original) The hard disk drive of claim 6, further comprising an overcoat layer located over said top magnetic layer.

10. (Currently Amended) The hard disk drive of claim 9, wherein said layer of anti-ferromagnetic coupling material includes ruthenium.

11-15. (Cancelled)